

Fig. 1A

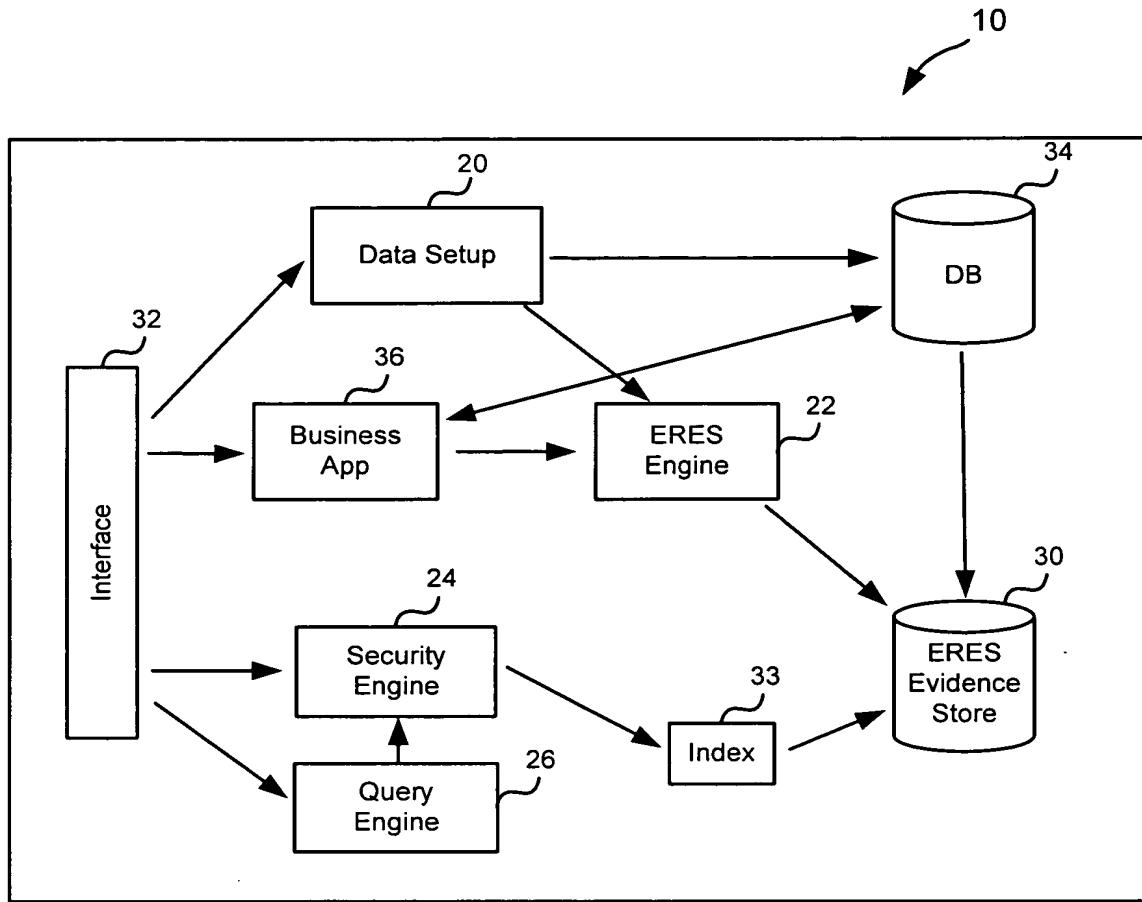


Fig. 1B

30a

Name	Datatype	Length	Mandatory	Comments
DOCUMENT_ID	NUMBER		Yes	Unique document id
PSIG_XML	CLOB	(4000)		XML document
PSIG_DOCUMENT	CLOB	(4000)		Electronic record as seen by user
PSIG_DOCUMENTFORMAT	VARCHAR2	(100)		Format of the Document
PSIG_TIMESTAMP	DATE			Timestamp when the document was requested
PSIG_TIMEZONE	VARCHAR2	(240)		Time Zone the document was initiated
DOCUMENT_REQUESTER	VARCHAR2	(240)		Document requester
PSIG_STATUS	VARCHAR2	(32)		Status of the document (ERROR, PENDING, COMPLETE)
PSIG_SOURCE	VARCHAR2	(32)		Source of the Document
EVENT_NAME	VARCHAR2	(80)		Event associated to the document
EVENT_KEY	VARCHAR2	(240)		Event instance identifier
PRINT_COUNT	NUMBER			Number of time document requested from printing
CREATION_DATE	DATE			WHO Column
CREATED_BY	NUMBER			WHO Column
LAST_UPDATE_DATE	DATE			WHO Column
LAST_UPDATED_BY	NUMBER			WHO Column
LAST_UPDATE_LOGIN	NUMBER			WHO Column

30b

Name	Datatype	Length	Mandatory	Comments
SIGNATURE_ID	NUMBER			Signature ID
DOCUMENT_ID	NUMBER			Document Id Refers EDR_PSIG_DOCUMENTS
EVIDENCE_STORE_ID	NUMBER			Evidence Store Id if the signature are present in Server Tech Storage
USER_NAME	VARCHAR2	(100)		User name who signed the Document
USER_RESPONSE	VARCHAR2	(100)		User Response
SIGNATURE_TIMESTAMP	DATE			Signed Time and Date
SIGNATURE_TIMEZONE	VARCHAR2	(240)		Signature Time Zone
SIGNATURE_STATUS	VARCHAR2	(32)		Signature Status (PENDING, COMPLETE, ERROR)
CREATION_DATE	DATE			WHO Columns
CREATED_BY	NUMBER			WHO Column
LAST_UPDATE_DATE	DATE			WHO Column
LAST_UPDATED_BY	NUMBER			WHO Column
LAST_UPDATE_LOGIN	NUMBER			WHO Column

Fig. 2

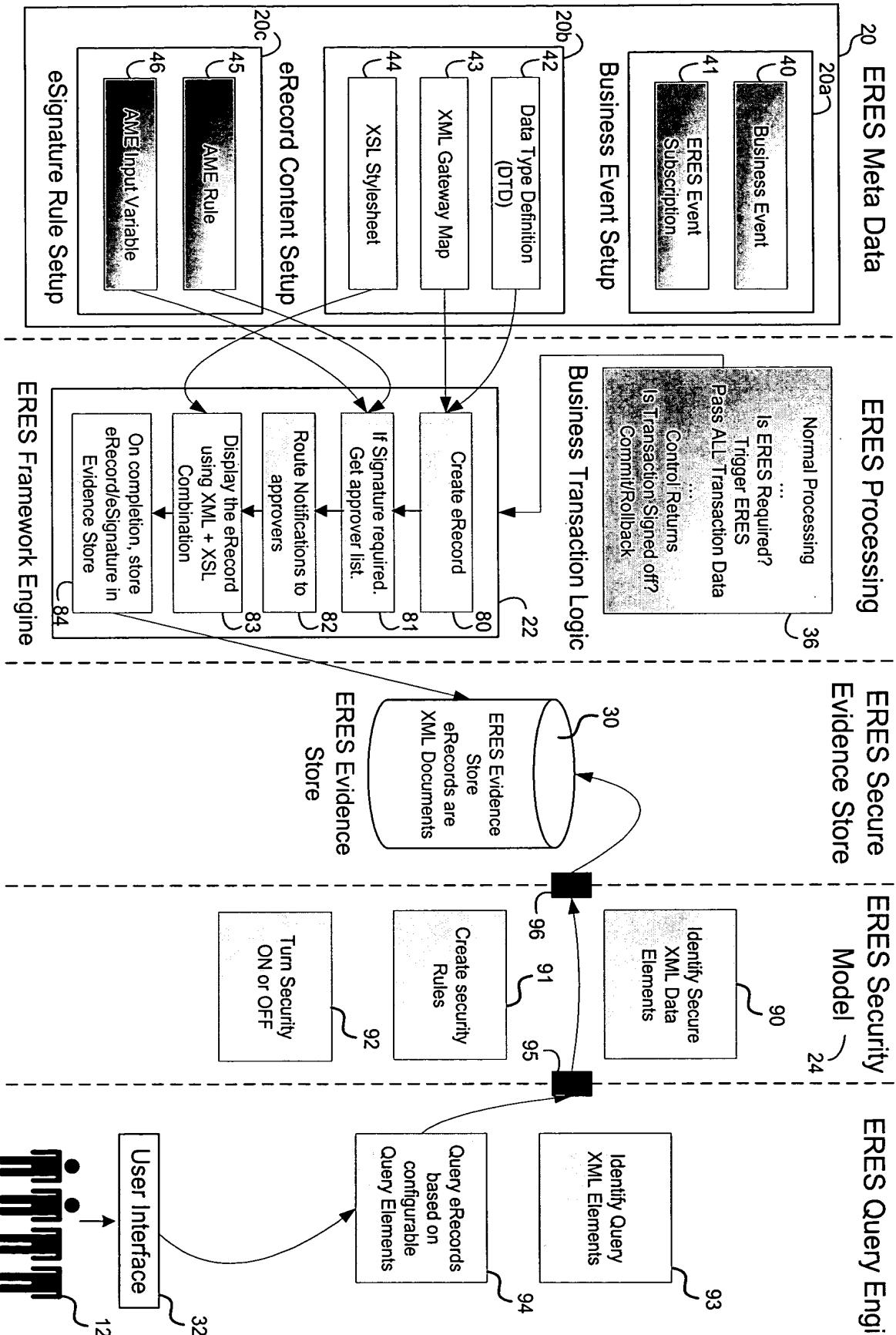


Fig. 3

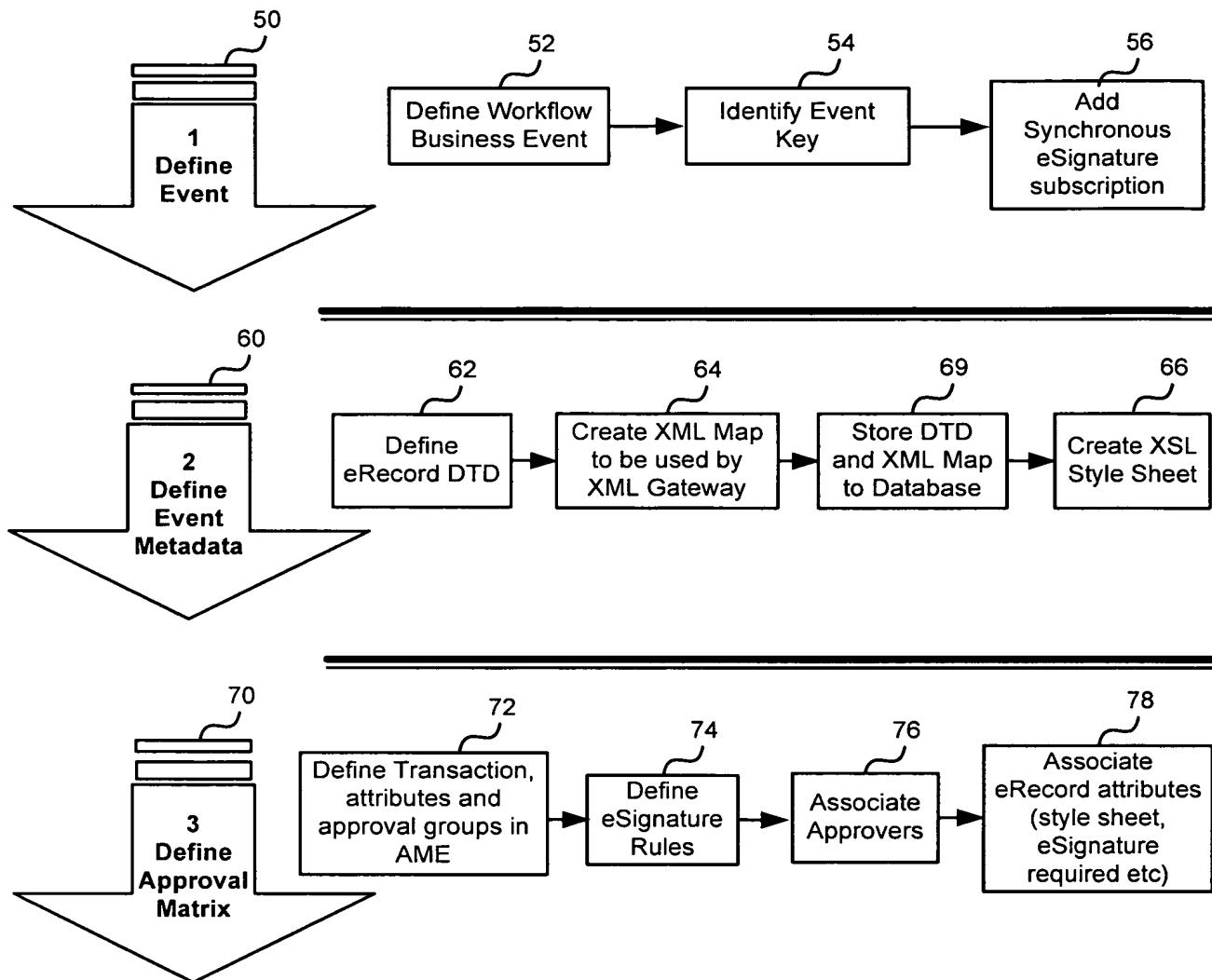


Fig. 4

+

80

Edit Event [?|]

ORACLE
Database

Name	oracle.apps.gme.Batch.close	81
Display Name	Process Batch Close Event	82
Description	This Event is raised when a process batch is closed	83
Status	Enabled	84
Generate Function		
Owner Name	Process Execution	
Owner Tag	GME	85
<input type="button" value="Submit"/> <input type="button" value="Cancel"/>		
86		

Fig. 5

90

Rule	Attribute	Approver(s)
91 If PLANT = "Plant 1" And PRODUCT = "Cyanide"	93 eRecord = Yes eSignature = Yes eRecord Style Sheet = StyleSheet12.X51	94 James Dunn and Mark Arthur
92 If PLANT = "Plant 1"	eRecord = Yes eSignature = No eRecord Style Sheet = NULL	David Anderson

Fig. 6

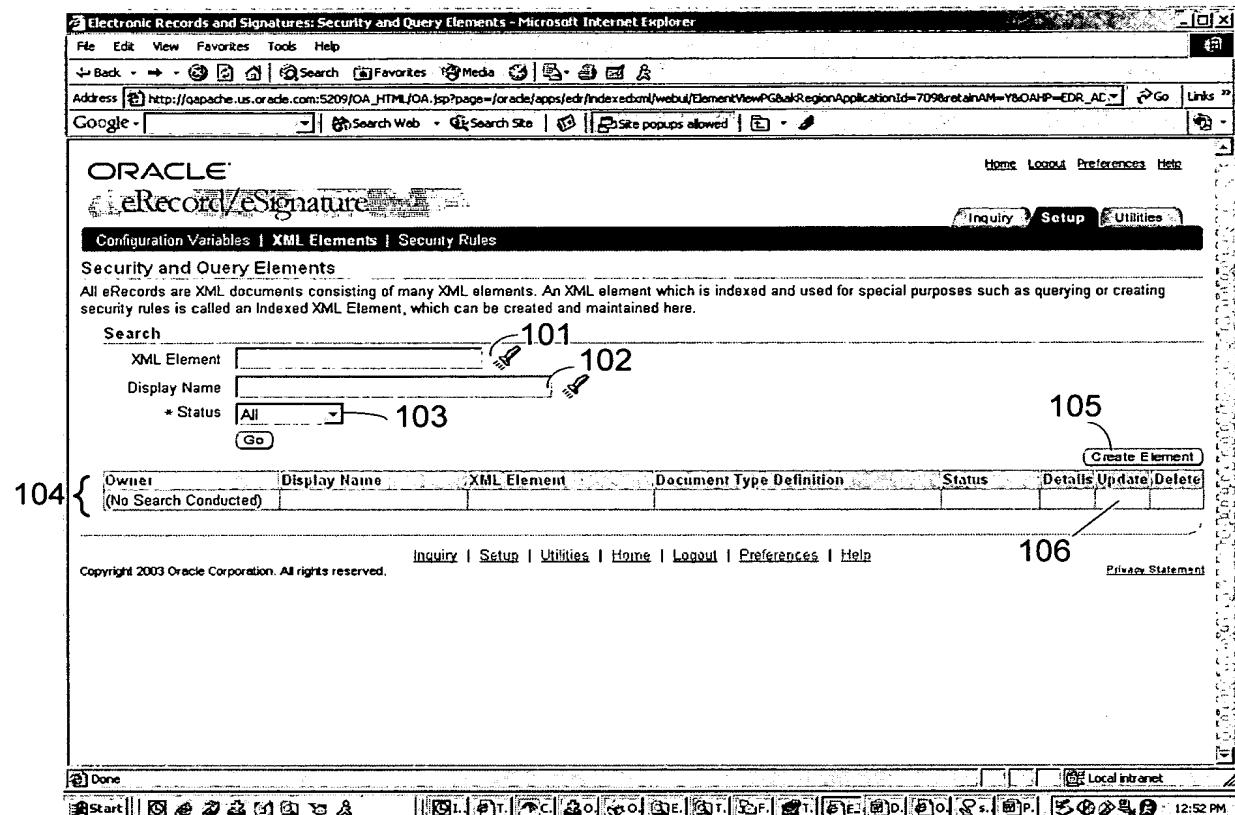


Fig. 7

eRecord Indexed XML Element Creation

Text explaining the use of the page

Owner Application

XML Element Name

Document Type Definition

Display Name

Query Element 111

Secure Element 112

Cancel Apply

113

114

Fig. 8

METHOD OF AND SYSTEM FOR ASSOCIATING AN ELECTRONIC SIGNATURE WITH AN ELECTRONIC RECORD

Inventors: Srikanth Karimisetty et al.
 US Patent Application No. Unassigned; Filed: Herewith
 William L. Shaffer (650-326-2400)
 Attorney Docket No.: 21756-001900US

33a

Name	Null?	Type	Description
ELEMENT_ID	NOT NULL	NUMBER	Surrogate Primary Key.
XML_ELEMENT	NOT NULL	VARCHAR2(30)	XML element identified as being searchable
DTD_ROOT_ELEMENT		VARCHAR2(30)	Root element of the XML
APPLICATION_ID	NOT NULL	NUMBER	Application ID of the application owning the query element.
INDEX_SECTION_NAME	NOT NULL	VARCHAR2(30)	Name of the section created in the index for the query element
INDEX_TAG	NOT NULL	VARCHAR2(64)	Tag used to create the section in the index. Unique Constraint.
STATUS	NOT NULL	CHAR(1)	Status of the query element. It can be I(ndexed) or N(or Indexed).
CREATED_BY	NOT NULL	NUMBER(15)	Standard WHO column
CREATION_DATE	NOT NULL	DATE	Standard WHO column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard WHO column
LAST_UPDATE_LOGIN		NUMBER(15)	Standard WHO column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard WHO column

33b

Name	Null?	Type	Description
ELEMENT_ID	NOT NULL	NUMBER	Partial Primary key.
LANGUAGE	NOT NULL	VARCHAR2(4)	Partial Primary key. Language used for translatable columns
SOURCE_LANG		VARCHAR2(4)	Source language
DISPLAY_NAME	NOT NULL	VARCHAR2(100)	Display name of the query element. This would be visible to end users.
DESCRIPTION		VARCHAR2(100)	Description of the query element.
CREATED_BY	NOT NULL	NUMBER(15)	Standard WHO column
CREATION_DATE	NOT NULL	DATE	Standard WHO column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard WHO column
LAST_UPDATE_LOGIN		NUMBER(15)	Standard WHO column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard WHO column

33c

Name	Null?	Type	Description
USAGE_ID	NOT NULL	NUMBER	Surrogate primary key
ELEMENT_ID	NOT NULL	NUMBER	XML element used in creating the security rule.
ELEMENT_USAGE	NOT NULL	CHAR(1)	The usage of the XML element. It can be Q(uery) or Secure
CREATED_BY	NOT NULL	NUMBER(15)	Standard WHO column
CREATION_DATE	NOT NULL	DATE	Standard WHO column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard WHO column
LAST_UPDATE_LOGIN		NUMBER(15)	Standard WHO column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard WHO column

Fig. 9

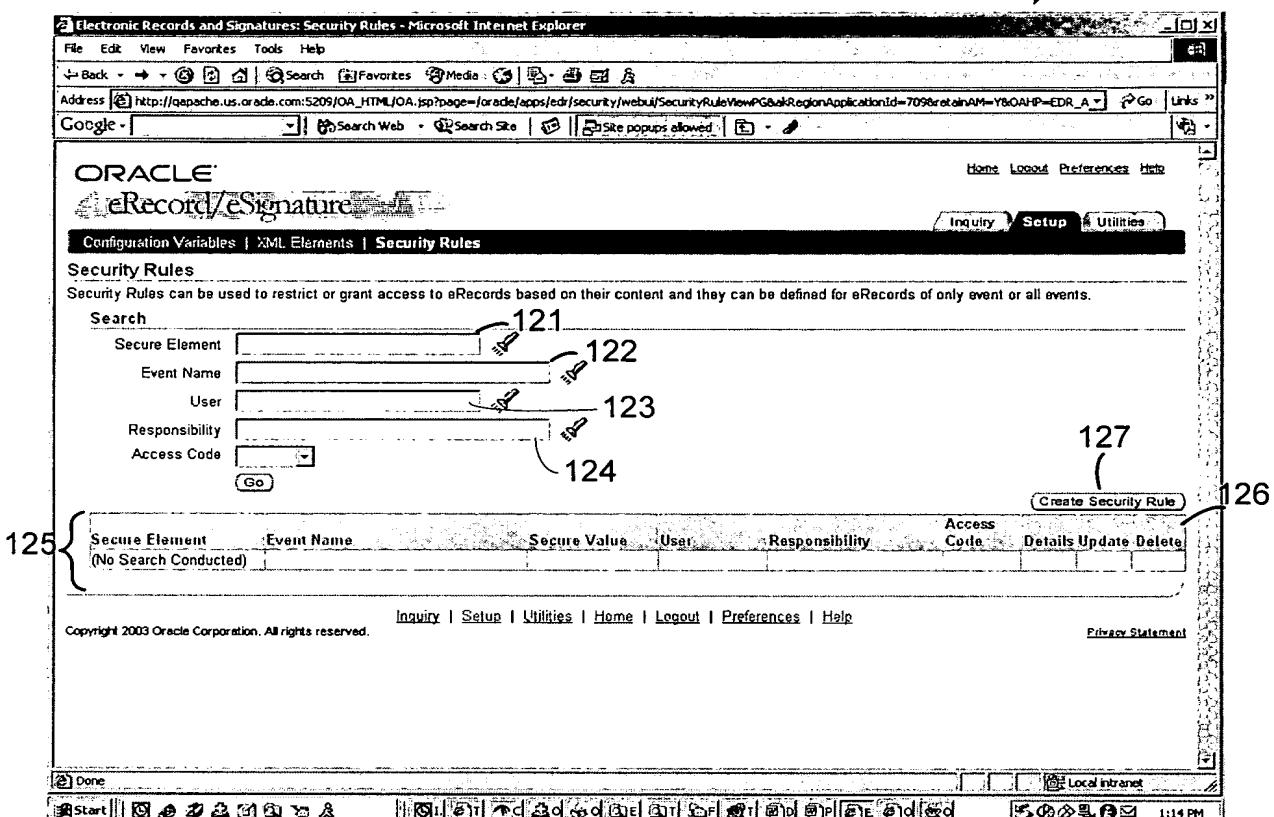


Fig. 10

Name	Null?	Type	Description
RULE_ID	NOT NULL	NUMBER	Surrogate primary key
ELEMENT_ID	NOT NULL	NUMBER	XML element used in creating the security rule.
EVENT_NAME		VARCHAR2(240)	Business event name used in creating the security rule.
SECURE_VALUE	NOT NULL	VARCHAR2(100)	Value secured by the security rule
USER_ID		NUMBER(15)	User ID of the APPS user for whom security is created
RESPONSIBILITY_ID		NUMBER(15)	Responsibility ID of the APPS responsibility for which security is created
ACCESS_CODE	NOT NULL	CHAR(1)	Access code can be G(rant) or R(estrict)
START_DATE	NOT NULL	SYSDATE	Start date for the rule
END_DATE		SYSDATE	End date for the rule
CREATED_BY	NOT NULL	NUMBER(15)	Standard WHO column
CREATION_DATE	NOT NULL	DATE	Standard WHO column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard WHO column
LAST_UPDATE_LOGIN		NUMBER(15)	Standard WHO column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard WHO column

Fig. 11

eRecord Security Rule Creation

Text explaining the use of the page

Secure Element 131

Event Name 132

Secure Value 133

User 134

Responsibility 135

Access Code 136

Start Date 137

End Date 138

(Cancel) (Apply)

Fig. 12

Search Documents

Search 141

Simple 144

Advanced

Event Name 145

From Date 146

To Date 147

Signer 148

Find 149

Clear

Cancel

Events 155

Event 150

Identifier 151

Timestamp 152

Timezone 153

Print 154

Print

Fig. 13

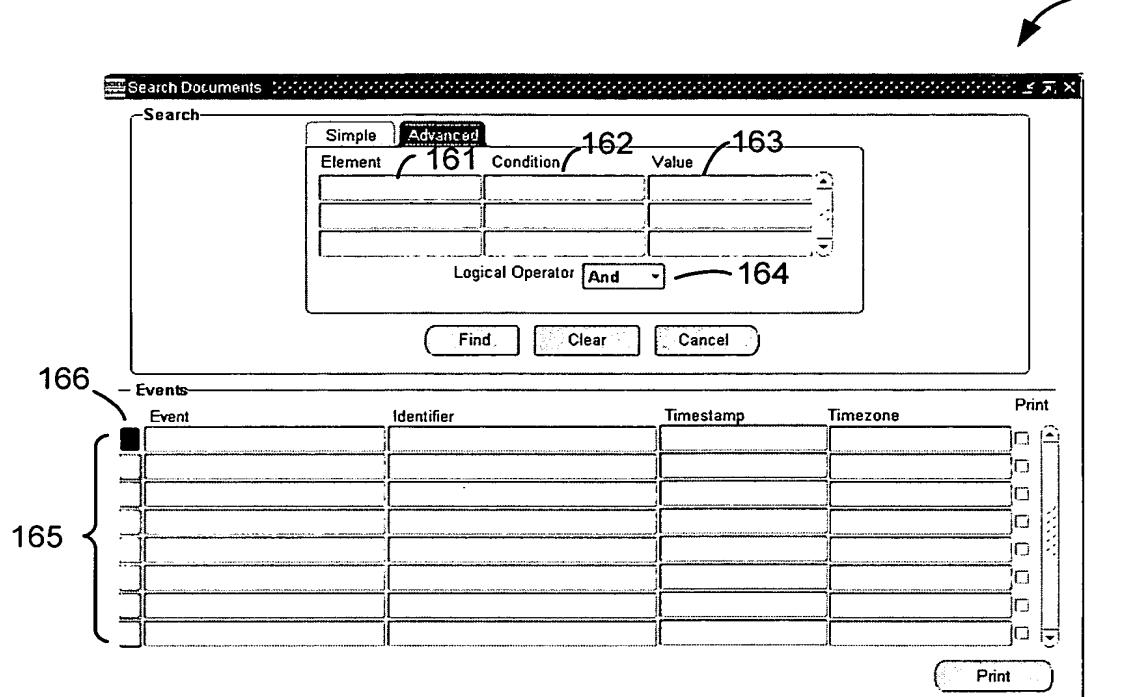


Fig. 14

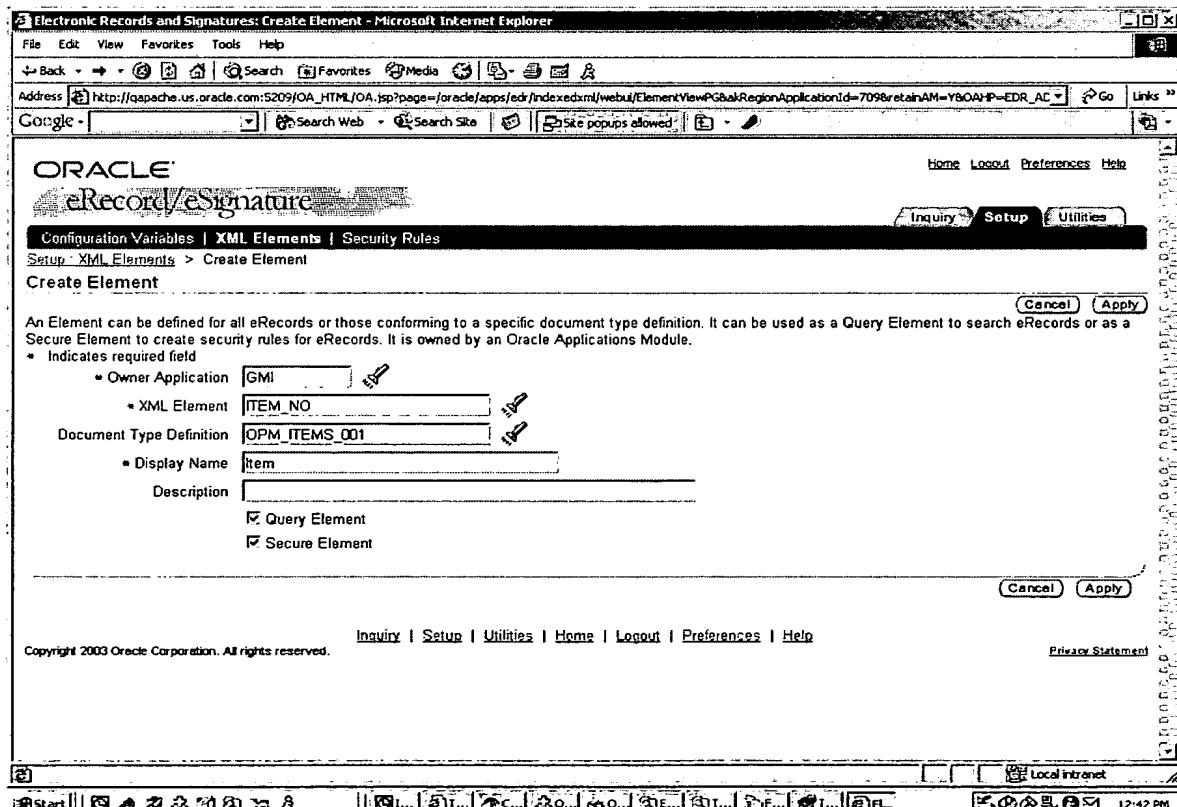


Fig. 15

METHOD OF AND SYSTEM FOR ASSOCIATING AN ELECTRONIC SIGNATURE WITH AN ELECTRONIC RECORD

Inventors: Srikant Karimisetty et al.
 US Patent Application No. Unassigned; Filed: Herewith
 William L. Shaffer (650-326-2400)
 Attorney Docket No.: 21756-001900US

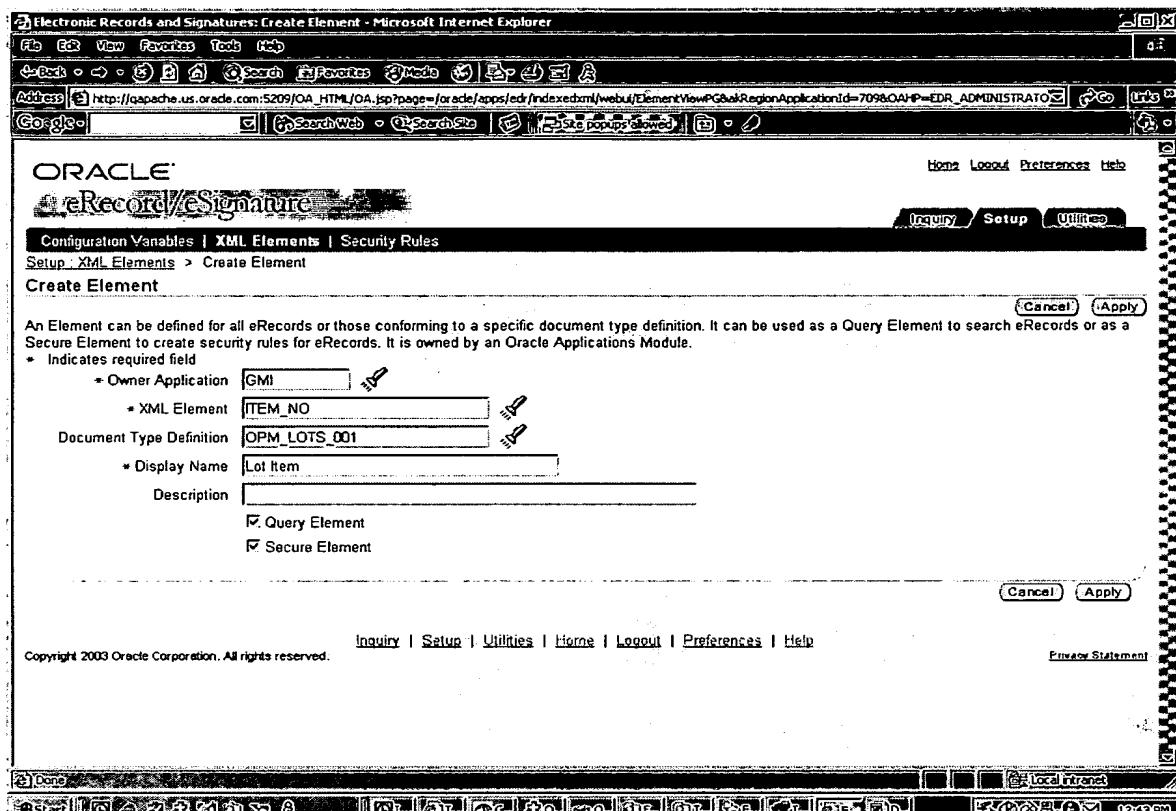


Fig. 16

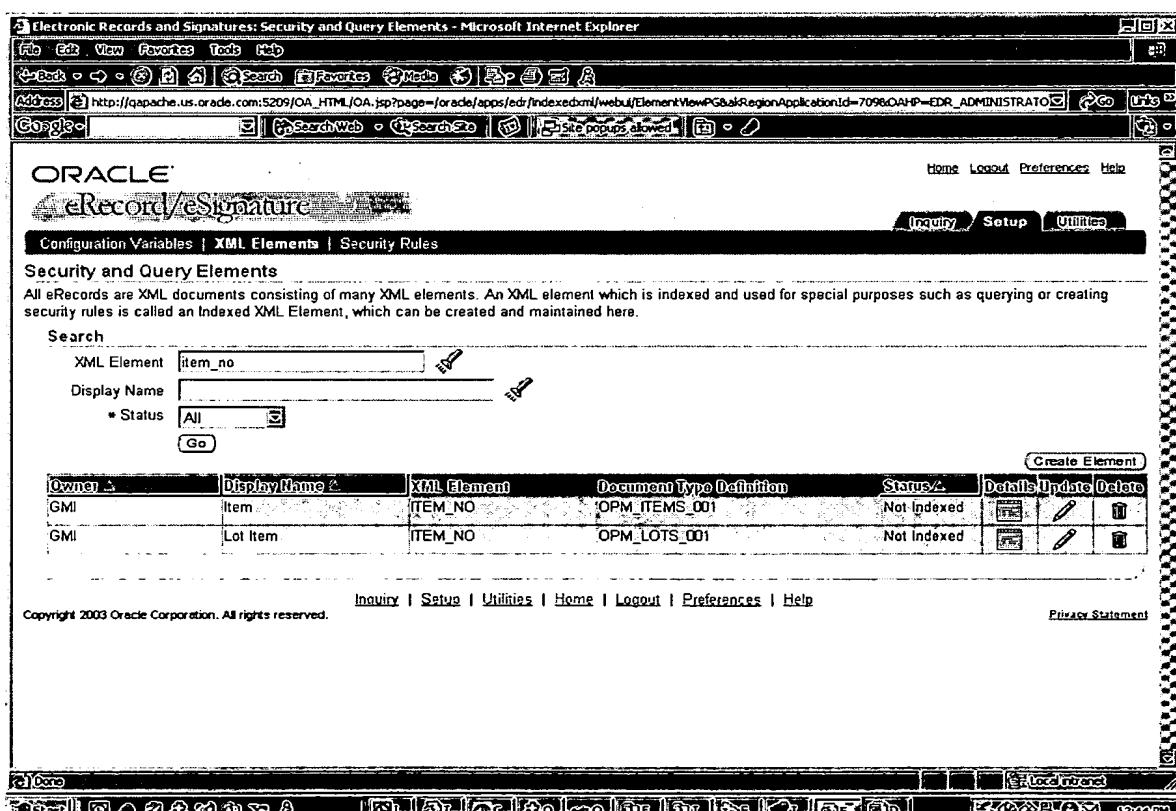


Fig. 17

170

Oracle Electronic Records and Signatures: Evidence Store - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address http://qapache.us.oracle.com:5209/OA_HTML/OA.jsp?eRegionCode=EDR_ERQ_FIRST_PAGE&eRegionApplicationId=709&language_code=US&rf_ticket=ZG88C901FCA46CB85C6E

Google Search Web Search Site search allowed

Signer Name

Transaction Status Show Successful Transactions

Date From (example: 31-Dec-2000)

Date To

Hide More Search Options

- Indicates required field

Specify additional search criteria and values to filter the eRecords displayed in the results table.

* Show eRecords when All search criterion are met

Criterion	Value
Lot Item	171 173 4101

Search Clear Add

Time Zone America/Los_Angeles

Select eRecord(s) and ... (Print)

Select All | Select None

Select Event Name	ID	Identifier	Identifier Value	Event Date	Status	Related eRecords
<input type="checkbox"/> GMI ERES Lot Creation	25	Item Number - Lot Number - Sublot Number	4101-SKARIMIS-1	05-Aug-2003 06:42:35	Complete	<input checked="" type="checkbox"/>
<input type="checkbox"/> GMI ERES Lot Creation	23	Item Number - Lot Number - Sublot Number	4101-SKARIMIS-1	05-Aug-2003 06:41:55	Rejected	<input checked="" type="checkbox"/>
<input type="checkbox"/> GMI ERES Lot Creation	21	Item Number - Lot Number - Sublot Number	4101-SKARIMIS-1	05-Aug-2003 06:40:06	Complete	<input checked="" type="checkbox"/>

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Home | Logout | Preferences | Help

Privacy Statement

Fig. 18

.180

184

Search

Event Name	<input type="text"/>	
eRecord ID	<input type="text"/>	
Signer Name	<input type="text"/>	
Transaction Status	<input type="text" value="Show All"/>	
Date From	<input type="text"/>	
example: 31-Dec-2000)		
Date To	<input type="text"/>	

▼ Hide More Search Options

- * Indicates required field

Specify additional search criteria and values to filter the eRecords displayed in the results table.

* Show eRecords when All search criterion are met

Filteration

Criteria	Value
Item	<input type="text" value="4101"/>

Search **Clear** **Add**

Time Zone America/Los_Angeles

Select eRecord(s) and ... **Print**

Select All | Select None

Event Name	eRecord ID	Identifier	Identifier Value	Export Date	Status	Related eRecords
GML ERES Item Creation	335	Item Number	CJ-TEST-2	29-Aug-2003 13:07:30	Complete	

Home | **Logout** | **Preferences** | **Help**

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Privacy Statement

Fig. 19

The screenshot shows a Microsoft Internet Explorer window with the title 'Electronic Records and Signatures: Security Rule Definition - Microsoft Internet Explorer'. The address bar shows the URL: http://eapache.us.oracle.com:5209/OA_HTML/OA.jsp?page=/oracle/eppc/edr/security/webui/SecurityRuleViewP&globalRegionApplicationId=709&languageCode=US&rf_ticket=ZGIA90A8A903. The main content area displays the 'Create Security Rule' form. The form fields include:

- Event Name: []
- Secure Value: 4101
- User: CSINGH
- Responsibility: []
- Access Code: Restrict
- Start Date: 23-Sep-2003 16:15:50
- End Date: []

Buttons at the bottom right of the form are 'Cancel' and 'Apply'. Below the form, the footer contains links to Inquiry, Setup, Utilities, Home, Logout, Preferences, and Help. It also includes a copyright notice: 'Copyright 2003 Oracle Corporation. All rights reserved.' and a link to 'Privacy Statement'.

Fig. 20

The screenshot shows a Microsoft Internet Explorer window with the title 'Oracle Electronic Records and Signatures: Evidence Store - Microsoft Internet Explorer'. The address bar shows the URL: http://eapache.us.oracle.com:5209/OA_HTML/OA.jsp?&globalRegionCode=EDR_ERQ_FRST_PAGE&globalRegionApplicationId=709&language_code=US&rf_ticket=ZGIA90A8A903. The main content area displays the 'Evidence Store' search interface. The search form fields include:

- Event Name: []
- eRecord ID: []
- Signer Name: []
- Transaction Status: Show All
- Date From: [] (example: 31-Dec-2000)
- Date To: []

Below the search form, there is a section for 'Show eRecords when' with a checkbox labeled 'All search criterion are met' (checked). A 'Search Options' button is also present. The search results table has columns: Select Event Name, eRecord, Identifier, Identifier Value, Event Date, Status, and Related Records. A note '(No Search Conducted)' is displayed below the table.

Fig. 21